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Release 2013/01/28 : SLIP 23 March 1988

CIA-RDP91-00981R000100090011-4

STAT ROOM NO.  
2B07

BUILDING

REMARKS:

PE 2/11  
EO UFO

DD/L —

D/OL Q

Del, Miss.  
pls provide  
comments to  
PMS.

STAT

PNS 10L for action

Suspense to  
7 Apr

cc: PMS

FROM: D/OIT/DDA

ROOM NO.

BUILDING

EXTENSION

STAT 3S35

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Release 2013/01/28 : LACES FORM 36-8  
CH MAY RE USED

(47)

CIA-RDP91-00981R000100090011-4

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OIT 0290-88

22 MAR 1988



*Answered via  
OL 5044-88  
com*

MEMORANDUM FOR: Director of Logistics

FROM: Edward J. Maloney  
Director of Information Technology

SUBJECT: OIT Information Processing Standards

REFERENCE: OIT Information Processing Standards Publication,  
dated May 1987, and supplement, dated January 1988

1. Attached you will find draft contract language that describes Agency information processing standards and the procedures for obtaining waivers. These standards are being promulgated with the concurrence of the Executive Director and the Agency Information Systems Board. They are designed to enable information sharing and connectivity among Agency information systems. They specify interfaces rather than products and should have the practical effect of increasing competition. They will increase competition because they are recognized standards for which many vendors design conforming products. Their net result over time will be to ensure procurements cannot be sole sourced on the basis of proprietary interfaces.

2. These standards are a joint effort of OIT and its customers. All these standards have been reviewed and concurred on by the Agency Customer/Standards Committee. This committee, chaired by the Deputy Director of Information Technology, has senior members from the four Agency directorates and the DCI area. Each committee member has been given the authority to concur on proposed standards for his or her component. The committee recommendations were subsequently approved by the Director of Information Technology and are considered binding on all Agency information systems procurements. (Headquarters Regulation  gives the Director of Information Technology the authority to concur on ADP procurements Agencywide.)

3. We ask that you review and modify, as necessary, the attached draft language with an eye towards its use in all Agency RFP's for information technology products or services, and that comparable language be inserted in all relevant Agency contracts. Requiring that vendors certify compliance with these standards is an essential step in our overall process of ensuring the conformance of all new products. Other steps we are taking include customer education, vendor education, and continued review and monitoring via the  process (the assistance of your office has been and will continue to be vital to the success of  review).

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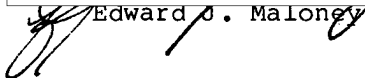
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SUBJECT: OIT Information Processing Standards

4. The cooperation of OIT and OL has been instrumental to the success of Agency information technology programs and activities. I am looking forward to continuing this joint effort with the new OIT Contracts Staff and the standards program. My focal point for standards administration is

STAT [redacted] Deputy Chief, Management Group on [redacted] For  
STAT technical questions on these standards including their interpretation in  
STAT specific cases, please contact [redacted] Chief, Architecture and  
Technology Planning Staff, [redacted]

[redacted]

 Edward J. Maloney

Attachment:  
As stated

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18 March 1988

Compliance with OIT Information Processing Standards

1. To the extent indicated below, it is Sponsor policy that all information technology procurements must conform with the six standards indicated in the Office of Information Technology (OIT) Information Processing Standards publication, dated May 1987, and supplement, dated January 1988 (available from the Contracting Officer). The purpose of these standards is to ensure that a wide selection of products from many vendors can be used with Sponsor systems, to ensure connectivity among these systems, and to encourage data sharing, within the limits of security. The statements of direction in the referenced document are provided for informational purposes; no specific compliance with statements of direction is required. Additional details on standards and statements of direction as well as the rationale supporting their selection are provided in the referenced publication.

2. The standards and statements of direction are summarized below. Beneath the summary for each standard are five descriptive categories. For each standard, the Sponsor will indicate whether it is applicable for a given acquisition. For each standard that is applicable, the bidder shall affirm that the equipment or software offered complies with the standard, and provide a rationale for that claim, or the bidder shall request a waiver from the standard. Criteria for the granting of a waiver request by the Sponsor are described in paragraph 4 below.

3. Waivers to the standards may be requested by the vendor through the Contracting Officer and the Contracting Officer's Technical Representative (COTR). The COTR is required to demonstrate to the Office of Information Technology (a Sponsor component) that a waiver is in the best interests of the Sponsor.

4. The following criteria shall be considered in granting a waiver from OIT Information Processing Standards. One or more of these criteria may be considered in the determination that a waiver is in the best interests of the Sponsor.

- a. The non-compliant items will not be connected to the OIT Information Processing Network and data sharing with other Sponsor systems will be minimal.
- b. The non-compliant items will provide significant improvements in effectiveness or significant cost savings as compared to alternative solutions that comply with standards.
- c. Security or related Sponsor-unique concerns prevent the use of compliant equipment.
- d. The non-compliant items can be expected to be brought into compliance with standards within a reasonable time. The requester must provide a plan of action for accomplishing this objective.

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OIT Information Processing Standards  
(as of 18 March 1988)

OIT/IPS-01/87 OIT Statement of Direction: Network Architecture

The OIT Statement of Direction for network architecture covers the overall architecture of connections of computer systems, workstations and terminals with OIT mainframe computer systems. The direction is System Network Architecture, an IBM-defined network architecture. It is OIT's long-term intent to adopt the Open Systems Interconnect (OSI) network architecture, an international standard, although OIT's current plan is to implement SNA for reasons of near-term availability.

OIT/IPS-02/87 OIT Standard: Electronic Mail Interchange

This OIT Standard defines the protocols and data streams used for electronic mail interchange between OIT mainframe computer systems and other computer systems, and between OIT mainframe computer systems and workstations. The standard for transfers between OIT computer systems and other computer systems is IBM System Network Architecture Distribution Services (SNADS); the standard for transfer between OIT mainframe computer systems and workstations is IBM's Document Interchange Architecture (DIA).

<input type="checkbox"/> Applicable	<input type="checkbox"/> Non-Applicable	[For Sponsor Use Only]
<input type="checkbox"/> Complies	<input type="checkbox"/> Waiver Requested	[For Vendor Use]
<input type="checkbox"/> Waiver Granted		[For Sponsor Use Only]

OIT/IPS-03/87 OIT Standard: Document Interchange Format

The OIT Standard for the form of a document exchanged between OIT mainframe computer systems and other computer systems is Document Content Architecture (DCA). This standard covers documents that consist of text only. The standard is applicable to all transfers of document data between OIT mainframe computers and other computer systems, including mainframe, office-level and workstation-level computer systems. The capability to carry out such exchanges is required.

<input type="checkbox"/> Applicable	<input type="checkbox"/> Non-Applicable	[For Sponsor Use Only]
<input type="checkbox"/> Complies	<input type="checkbox"/> Waiver Requested	[For Vendor Use]
<input type="checkbox"/> Waiver Granted		[For Sponsor Use Only]

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OIT/IPS-04/87 OIT Statement of Direction: Terminal and Workstation Protocol

OIT's direction for protocols used to connect (interactive) terminals and intelligent workstations to OIT computer systems is toward IBM's 3270 protocol. This direction is limited to terminal and workstation connections, and does not apply to connections between OIT mainframe computer systems and another computer system, where that computer system is providing services other than the support of a single user.

OIT/IPS-05/87 OIT Standard: 3270 Protocol for Terminal and Workstations

This standard defines the protocols used to connect (interactive) terminals and intelligent workstations to OIT mainframe computer systems when the 3270 protocol is employed. The standard is IBM Distributed Function Terminal (DFT) Category A protocol for 3270 terminals. A further requirement for terminals and workstations that use the 3270 DFT protocol is that they be compatible with Intecom's LANmark (3270) feature. That is, such devices must be supported and certified by Intecom.

This standard is limited to terminal and workstation connections to OIT mainframe computers. The standard does not apply to computer-to-computer connections where the computer is providing services other than the support of a single user, and does not apply to a single connection of a network of workstations as a cluster of terminals.

- ☐ Applicable      ☐ Non-Applicable      [For Sponsor Use Only]
- ☐ Complies        ☐ Waiver Requested      [For Vendor Use]
- ☐ Waiver Granted                      [For Sponsor Use Only]

OIT/IPS-06/87 OIT Standard: Database Management System Data Language

Structured English Query Language (SQL) is the OIT Standard for the data language interface to database management systems (DBMS) for Sponsor use on mainframes, minicomputers, and microcomputers. The interim definition of SQL is provided by IBM's database system product, SQL/DS (Structured Query Language Data System) and DB2 (Database 2).

- ☐ Applicable      ☐ Non-Applicable      [For Sponsor Use Only]
- ☐ Complies        ☐ Waiver Requested      [For Vendor Use]
- ☐ Waiver Granted                      [For Sponsor Use Only]

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OIT/IPS-01/88 OIT Standard: Graphics Interface Format (described in supplement to OIT Information Processing Standards, dated May 1987)

The OIT Standard for the format of graphics which are to be exchanged between mainframes and workstations and amongst different types of software running on the mainframes and workstations is the Computer Graphics Metafile (CGM) format specified in the American National Standards Institute's standard designated X3.122-1986. This standard applies directly to the interchange format of graphics that represent the final picture that a program creates. This standard is not applicable to the native file format used internally by a graphics package to store and retrieve its files. Also, this standard is not applicable to the interchange and storage of raster formatted graphics such as images, videos, and 'paint' type graphics.

This standard requires that every graphics device acquired either be equipped to display graphics stored in CGM format or that an interface (hardware or software) be purchased/written and installed before the device can be connected to the OIT system.

This standard applies to all software systems that incorporate graphics as part of their functionality, such as desktop publishing software.

-	Applicable	-	Non-Applicable	[For Sponsor Use Only]
-	Complies	-	Waiver Requested	[For Vendor Use]
-	Waiver Granted			[For Sponsor Use Only]

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